U. I. C MAR 19

G. Pask

International Journal of MAN-MACHINE STUDIES

Volume 6, 1974

Editorial Board:

J. T. Allanson H. Fujisaki

R. D. Smallwood J. H. Andreae B. R. Gaines

M. A. Arbib J. L. Gedye

I. Witten D. L. Bitzer J. Hatvanv L. R. Young

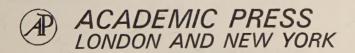
A. D. Booth K. L. Zinn D. R. Hill

S. W. S. J. Curry W. Lawrence P. I. Zorkoczy

V. A. Lyov M. Eden

Executive Editors: B. R. Gaines and D. R. Hill

Book Reviews Editor: P. I. Zorkoczy



Copyright © 1975 by Academic Press Inc. (London) Ltd.

ALL RIGHTS RESERVED

No part of these volumes may be reproduced in any form, by photostat, microfilm, or any other means, without written permission from the publishers.

CONTENTS OF VOLUME 6

Number 1, January 1974

ROSENBERG, B., Computing Dominant Points on Simple Shapes .	1
BARON, R. J., A Theory for the Neural Basis of Language. Part 1: A Neural Network Model	13
CUNNINGHAM, M. A. and GRAY, H. J., Design and Test of a Cognitive Model	49
SHERR, L. A., TUGGLE, F. D. and FITCH, G. H., Design and Tests of Computer-furthered Instruction	105
STYLES, B. C., Describing Music to a Computer	125
BOOK REVIEWS	135
Number 2, March 1974	
EDITORIAL	i
DWYER, T. A., Heuristic Strategies for using Computers to Enrich Education	137
BARON, R. J., A Theory for the Neural Basis of Language. Part 2:	
Simulation Studies of the Model	155
PARTRIDGE, D. P. and JAMES, E. B., Natural Information Processing.	205
MILLER, L. A., Programming by Non-programmers	237
SELF, J. A., Student Models in Computer-aided Instruction	261
BOOK REVIEWS	277
Number 3, May 1974	
ATKIN, R. H., An Algebra for Patterns on a Complex, I	285
Kennedy, T. C. S., The Design of Interactive Procedures for Man-Machine Communication	309
GREEN, T. R. G. and GUEST, D. J., An Easily-implemented Language	
for Computer Control of Complex Experiments	335
Youngs, E. A., Human Errors in Programming.	361
BOOK REVIEWS	379
	iii

Number 4, July 1974

EDITORIAL	i
ZINN, K. L., Requirements for Effective Authoring Systems and	201
Assistance	381
Dowsey, M. W., Easy Author-entry Systems: a Review and a Proto-	
type	401
Paloian, A. Y., An Interrogative Authoring System	421
PLATO IV SOFTWARE GROUP, PLATO IV Authoring	445
RIPOTA, P., A Concept for a Primary Author's Language (PAL)	465
BUNDERSON, C. V., The Design and Production of Learner-controlled	
Courseware for the TICCIT System: a Progress Report	479
Number 5, September 1974	
AINSWORTH, W. A., Performance of a Speech Synthesis System	493
GOGUEN, JR, J. A., Concept Representation in Natural and Artificial Languages: Axioms, Extensions and Applications for Fuzzy Sets.	513
NAGY, G. and PENNEBAKER, M. C., A Step Toward Automatic Analysis of Student Programming Errors in a Batch Environment.	553
OCHSMAN, R. B. and CHAPANIS, A., The Effects of 10 Communication Modes on the Behaviour of Teams During Co-operative Problem-	
solving	579
BOOK REVIEWS	621
Number 6, November 1974	
Kozdrowicki, E. W. and Cooper, D. W., COKO III: The Cooper-Kozdrowicki Chess Program	627
BLESSER, B., SHILLMAN, R., KUKLINSKI, T., COX, C., EDEN, M. and VENTURA, J., A Theoretical Approach for Character Recognition	
Based on Phenomenological Attributes	701
TONGE, D. G., Logical Properties of the Perceived Behaviour Patterns	
of a Dynamical System	715
BOOK REVIEWS	729